



INTENDED USE PLAN CLEAN WATER STATE REVOLVING FUND

FISCAL YEAR 2020



**Clean Water State Revolving Fund
Draft Intended Use Plan
July 2019**

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Introduction

The Tennessee State Wastewater Facilities Act of 1987 established a State Revolving Fund as an enduring and viable clean water fund. The State ensures the Clean Water State Revolving Fund (CWSRF) is maintained and available in perpetuity to provide financial assistance as authorized by the federal Water Quality Act of 1987. The TDEC [State Revolving Fund \(SRF\)](#) program provides low-interest loans and technical assistance to cities, counties, utility districts, and wastewater and energy authorities across the State for planning, design, and construction of wastewater infrastructure projects. The SRF program supports TDEC's mission to protect and promote human health & safety, and to protect and improve water quality across the state by helping communities afford safe, sustainable and resilient water systems. The Clean Water SRF is designed as a federal-state partnership program to assist public water systems (PWS) with an independent source of low-cost financing for a wide range of water quality infrastructure projects. The program was created through the 1987 Amendments to the Clean Water Act (CWA) authorizing the US Environmental Protection Agency (USEPA) to establish a Clean Water State Revolving Fund (CWSRF) loan program to further the protection of public health and the water quality objectives of the CWA.

Elements of the Clean Water State Revolving Fund Intended Use Plan:

TDEC SRF long term and short term goals

The financial status of the Clean Water SRF loan program

Description of the methods and criteria used to distribute funds

Automated Standard Application for Payments (ASAP) Schedule

Priority Ranking List (PRL) for FFY 2019

Description of non-point source (NPS) activities eligible for assistance under Section 319 of the CWA

TDEC's new Small and Disadvantaged Community program

TDEC's new Ability to Pay Index

The USEPA awards a Clean Water Capitalization Grant annually to the State, and in turn, the State obligates federal funds, along with a 20% state match, to provide financing to wastewater treatment systems for planning, design, and construction projects that include (but are not limited to): plant replacement and upgrade; collection system installation, repair, and upgrade; treatment; storage; water reuse; green infrastructure; energy optimization; and resilience. These funds are repaid over time, ensuring the long-term viability of the CWSRF program.

Section 606(c) of the Clean Water Act requires each state to annually prepare an Intended Use Plan (IUP) to outline the use of grant funds awarded to the state and to describe how those uses support the goal of protecting public health and the environment.

TDEC's [Clean Water IUP](#) serves as the planning document detailing how the federal fiscal year (FFY) 2019 appropriations for the CWSRF loan program will be used. The State of Tennessee's

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allotment of FFY 2019 CWSRF Loan Program dollars is \$ 23,082,000. The State is required to provide a 20% match of federal funds. Based on the FFY 2019 capitalization grant, a state match of \$ 4,616,400 is required. The EPA Capitalization Grant plus State match will provide an expected \$27,698,400 in funds available for projects.

Clean Water State Revolving Fund Goals and Objectives

Congress allows state CWSRF programs flexibility to design a program tailored to meet the needs of the state, local communities, and publicly-owned wastewater treatment works. Tennessee's [CWSRF program](#) developed long and short-term goals as a framework for decisions Tennessee makes in the CWSRF program.

Long-Term CWSRF Goals

1. Protect and enhance the water quality in Tennessee by ensuring the technical integrity of funded projects.
 - a. Objective: ensure adequate and effective project planning, design, and construction management.
 - b. Objective: maintain a priority ranking system and offer available funds to projects with the highest priority points that are ready to proceed.
2. Maintain the long-term financial integrity of the CWSRF program through the judicious use and management of its assets and by realizing an adequate rate of return, preventing fraud, waste, and abuse.
3. Maintain a self-sustaining revolving loan program through the CWSRF Loan Program to provide local governments in Tennessee with low-cost financial assistance for wastewater infrastructure projects.
 - a. Objective: Ensure the use of accounting, audit, and fiscal procedures that conform to generally accepted governmental accounting standards.
 - b. Objective: Ensure the financial stability of loan recipients by reviewing the financial history, loan security, and proposed user rates of loan applicants.
 - c. Objective: Obligate funds in a timely manner and provide technical and administrative assistance for efficient project management.
4. Facilitate allocation of program resources to address the most significant public health and water quality compliance problems by actively working with these systems and the TDEC regulatory staff.
5. Promote the development of the technical, managerial, and financial capability of all publicly-

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owned wastewater treatment works to maintain or come into compliance with state and federal requirements.

6. Provide clean water assistance in an orderly and environmentally sound manner.
7. Assure that all new wastewater systems funded by the program demonstrate technical, managerial, and financial capability with respect to state and federal regulations.

Short Term Goals

1. Manage an effective and efficient CWSRF Loan Program
 - a. Objective: Update administrative policies and guidance including standard operation procedures for the CWSRF Loan Program.
 - b. Objective: Coordinate and work with the Comptroller of the Treasury to ensure the best financing alternative to local governments.
2. Assist the development and implementation of local water quality protection initiatives.
3. Aid compliance with state and federal water quality standards by all funded publicly-owned wastewater treatment works.
4. Expand the use of green projects funding to include more projects and encourage innovative use of SRF funds following EPA's guidance. TDEC SRF has elected to strive for a goal of up to 18% of grant funds to be used for innovative, green, or resilient projects.
5. Provide direct technical assistance to publicly-owned wastewater treatment works.
6. Expand and broaden our community outreach activities to ensure that publicly-owned wastewater treatment works are aware of and understand CWSRF assistance options and the loan application process by presenting an annual statewide workshop to publicize the CWSRF program in coordination with Tennessee Department of Economic & Community Development and USDA-Rural Development.
7. Develop a database for clean water project data and program management data.
8. Ensure that all funds in the state revolving fund and grant award are expended in an expeditious and timely manner.

Clean Water Priority Ranking System

TDEC's CWSRF program uses a priority ranking system to develop the Priority Ranking List (PRL). The State's CWSRF Priority Ranking System rules, Chapter 0400-46-01, provide a clear, objective, order of

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ranking wastewater infrastructure projects. Tennessee has established a priority ranking system (Rule 0400-46-01) to focus on projects aiming to achieve optimum water quality management consistent with the goals and requirements of the Clean Water Act and the Tennessee Water Quality Control Act. The rationale for funding projects in an order other than that shown on the priority list shall be in accordance with the rules for the Priority Ranking System, Chapter 0400-46-01-.03. Exceptions to the order of funding may be allowed under special circumstances. Such projects would include those where unanticipated failures requiring immediate attention to protect public health occur.

Applicants seeking funding must submit a letter of request that includes a detailed project description, explanation of project need, location of the project, cost estimate and project start and completion dates to the SRF Loan Program. Projects eligible for CWSRF funding are described in the [EPA eligibility handbook](#). Projects are prioritized by those that address reducing risks to human health and/or those working to maintain or improve water quality. All proposed projects for potential loan recipients that request financial assistance will be assigned Project Criteria Points based on the project criteria established in Rule 0400-46-01-.02(2). Project Criteria Points will be assigned to individual wastewater facilities projects based on the following:

- WWTP discharges to a water-quality impaired stream segment will receive 100 Project Criteria Points in addition to any other applicable Project Criteria Points. WWTP projects with a compliance schedule in the NPDES permit requiring construction will receive 50 Project Criteria Points in addition to any other applicable Project Criteria Points;
- Wastewater collection system projects with a compliance schedule in the NPDES permit requiring construction will receive 50 Project Criteria Points in addition to any other applicable Project Criteria Points;
- Nonpoint Source (NPS) pollution projects affecting a water-quality impaired stream segment will receive 100 Project Criteria Points. Other NPS pollution projects will receive 25 Project Criteria Points. NPS pollution projects may be directed toward protection or improvement of the quality of ground water, surface water, or wetlands. NPS pollution projects must be consistent with Tennessee's approved Nonpoint Source Management Program requirements and be included in the State's current EPA approved Nonpoint Source Management Plan;
- Effluent-trading projects will receive 50 Project Criteria Points in addition to any other applicable Project Criteria Points;
- Combined Sewer Overflow (CSO) projects will receive 25 Project Criteria Points;
- Infiltration/Inflow (I/I) correction projects and major sewer rehabilitation projects will receive 25 Project Criteria Points. Construction of projects that will transport and treat I/I at the WWTP will receive 10 Project Criteria Points;
- Storm water management projects affecting a water-quality impaired stream segment will receive 100 Project Criteria Points. Storm water management projects with a compliance schedule in the NPDES permit requiring construction will receive 50 Project Criteria Points. All other storm water management projects will receive 25 Project Criteria Points;

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- Collection lines to be constructed to address an existing public health problem caused by failed septic systems will receive a minimum of 40 Project Criteria Points up to a maximum of 100 Project Criteria Points;
- Any wastewater project proposed for development and/or growth potential, i.e., projects that were not planned to address a water quality problem or a public health problem, will receive 5 Project Criteria Points. WWTPs that are required to serve new collectors as part of the approved facilities plan will receive the same Project Criteria Points as the collectors;
- Interceptors and pump stations will receive varying Project Criteria Points. Interceptors and/or pump stations that eliminate a WWTP discharge point that was included in an approved facilities plan will receive the same Project Criteria Points as the WWTP. Interceptors and/or pump stations proposed as part of an I/I elimination project will receive the same Project Criteria Points as the I/I elimination project. Interceptors and/or pump stations proposed as part of a collection system project will receive the same Project Criteria Points as the collection system project;
- Planning/Design projects will receive Project Criteria Points based upon the proposed project type;
- Section 212 projects that are also associated with the construction of nonpoint source projects shall have an additional 20 Project Criteria Points;
- Section 212 projects with zoning that demonstrates preservation of greenspace shall have an additional 15 Project Criteria Points
- Section 212 projects with zoning that demonstrates riparian buffer zones of at least 150 feet shall have an additional 10 Project Criteria Points;
- Section 212 projects demonstrating an enforced buffer zone ordinance shall have an additional 5 Project Criteria Points;
- Refinancing projects will receive 1 Project Criteria Point; and
- In accordance with T.C.A. § 6-58-109(b), all State Revolving Fund projects within Counties that have an approved growth plan will receive 5 Project Criteria Points in addition to any other applicable Project Criteria Points.

Fundable Clean Water Project Categories

- Construction of municipal wastewater facilities
- Control non-point source pollution
- Decentralized wastewater treatment systems
- Green infrastructure projects
- Water quality projects
- Stormwater management
- Brownfields
- Consolidation
- Recycled water
- Asset management
- Capacity management.

Table 1: CWSRF Clean Water Project Options

The assigned Project Criteria Points are calculated to determine the Priority Point Value and applicable only to WWTP projects. The Project Criteria Points are summed to establish a proposed project's Priority Rank. Projects will be placed on the Priority Ranking List in ascending order by

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Priority Rank, i.e., in descending order by total project priority points. Projects requesting funds for ineligible activities will not be assigned priority points. Projects with the same priority points will be ranked based on consideration of ATPI and population served to assist smaller and less affluent communities.

The CWSRF Loan Program may not provide assistance to any system that does not maintain an adequate level of technical, managerial, and financial capability to assure sufficient revenues to operate and maintain the wastewater facility for its useful life, agree to periodic adjustment of fees and services of the wastewater facility in order to repay the loan in a timely manner, agree to maintain financial records in accordance with governmental account standards, conduct an annual financial audit of the facility, and provide any additional assurances as requested by TDEC (Rule 0400-46-06-.04(1)).

List of Projects

In accordance with § 606(c)(1) of the CWA, 40 CFR § 35.3150 TDEC SRF has developed a list of projects to receive funding in the first year after the grant award and a comprehensive priority list of eligible projects for funding in future years (CWSRF will maintain past PRLs). This list, the [Priority Ranking List](#) (PRL) includes: community information, project description, related assigned points, the ATPI, watershed total project cost, amount of GPR (if applicable), anticipated construction start and end date, and EPA Needs Survey Category. The CWSRF PRL (Appendix) includes eligible projects for which the total cost of assistance requested is at least equal to the amount of the Capitalization Grant being applied for before the EPA awards the grant. In addition to the projects listed, the CWSRF loan program may consider loan increases for existing projects, projects carried forward from FY 2019 and other CWSRF-eligible projects. The CWSRF project list may include non-point source (NPS) projects since the State's NPS Assessment and Management Program has been approved.

Criteria and Methods for Distributing Funds

TDEC SRF will provide funding letters to all communities with projects on the FY 2020 PRL after the USEPA loan award date. For the FFY 2019 capitalization grant, funding priority will be directed to highest ranked projects that are ready to proceed with construction. This includes small and disadvantaged communities, green and resilient infrastructure projects, and projects with subsidies. Communities with projects on the CWSRF Priority List may be bypassed based on failure to submit a complete application 90 days after being notified or are not ready to proceed.

The primary use of capitalization grant funding is for assistance to wastewater utilities for capital improvements (infrastructure projects). This assistance can be provided as: planning and design loans; or construction loans. It is to be noted that not all clean water compliance problems, however, can be solved through capital financing of infrastructure improvements.

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TDEC has determined, based on the projected total award dollars, and the previous year carry-forward balance, coupled with the Drinking Water SRF funds transferred to CWSRF, the state can provide up to \$160,570,812 to loan for projects ([Table 2](#)).

The interest rate will be based on the community's Ability to Pay Index (ATPI). Interest rates can vary from zero to 100 percent of the interest rate reported on the 20-year, 25-year, and 30-year Bond Buyer Index and the Municipal Market Data General Obligation Yields published every Thursday. Communities that fall within the lower economic scale of the index will be eligible for a lower interest rate. The interest rates for utility districts and water authorities that have service areas in more than one county will be evaluated and ranked by utilizing the lowest ATPI for the county or city that directly benefit from the project(s) associated with the loan.

The term of the loan will be a maximum of 30 years or the useful life of the project whichever is shorter. A loan fee of 8 basis points (0.08%) is charged by the Office of State and Local Finance for the CWSRF loans that are awarded on or after October 1, 2009.

The State's NPS Management Program has been approved and the IUP may include NPS projects and activities for funding under the CWSRF when viable projects are identified.

Interest Rates and Affordability Criteria

The interest rate will be based on a community's ability to pay determined through the State of TN Ability to Pay Index (ATPI). Interest rates can vary from zero to 100 percent of the interest rate reported on the 20-year Bond Buyer Index and the Municipal Market Data General Obligation Yields published every Thursday. The SRF program provides an updated interest rate every Monday. The State may also recommend a reduction of the interest rate to incentivize Green Project Reserve and sustainable & resilient projects, but not below zero percent. Disadvantaged communities, as determined by the ATPI, will be eligible for a lower interest rate or other subsidy. Communities, utility districts, and wastewater authorities may also be eligible for lower interest rates or other subsidy if they agree to pilot new and innovative techniques or agree to in-kind efforts that benefit the public through providing templates, education, or other actions that can broadly assist other communities in Tennessee to achieve high priority water quality goals. The interest rates for utility districts and wastewater authorities that have service areas in more than one county will be evaluated and ranked by utilizing the lowest ATPI for the county or city that directly benefit from the project(s) associated with the loan. The term of the loan is a maximum of 30 years or the useful life of the project whichever is shorter.

The affordability criteria from the ATPI will also be used to prioritize projects that have the same number of points from the PRL. Communities with greater economic need and smaller populations are given a higher ranking. The allocation formula uses a broad definition of fiscal capacity that considers income, unemployment data, and population trends. The intent is to measure fiscal

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capacity in terms of the available resources for paying for services. The new ATPI will be updated with current data every year by the University of Tennessee.

Small and Disadvantaged Communities

In 2019, the SRF loan program responded to requests from Governor Lee regarding rural community assistance by prioritizing allocation of subsidy for water and wastewater infrastructure (in the form of principal forgiveness and lower interest rates) to communities identified as economically

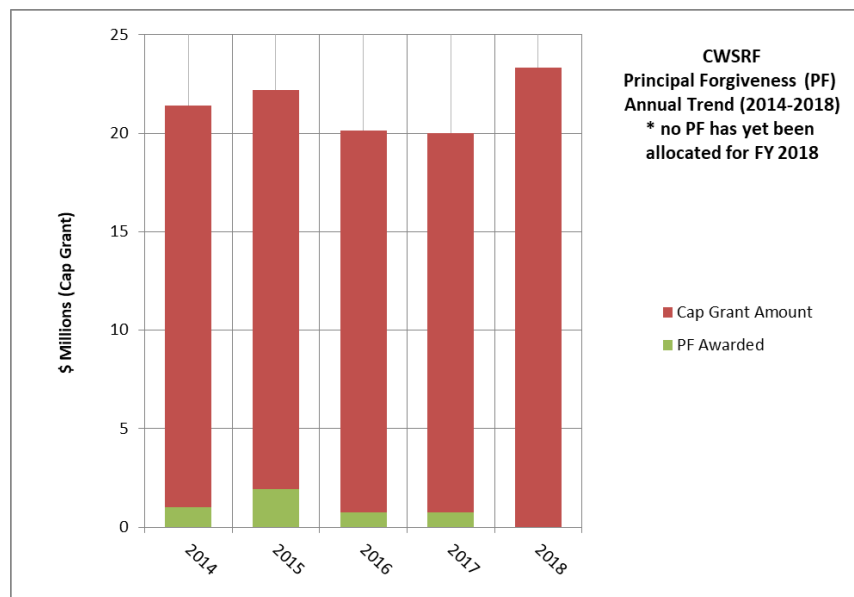


Figure 1: CWSRF annual trend for Principal Forgiveness

Development Act (WRRDA) of 2014 (H.R. 3080).

Additional subsidy may also be awarded to eligible communities for green projects that meet eligibility requirements for [EPA SRF Green Projects](#), and for projects that demonstrate an in-kind-contribution that serves broader state interests (e.g., developing model projects for high priority water infrastructure needs, or utilizing new and innovative approaches with the potential of replication across the state). SRF plans to pilot a small number of these projects in each fiscal year for communities that are willing to provide in-kind-contribution and undergo additional monitoring to determine the benefit of such projects to water quality and the state.

TDEC SRF will continue to allocate proportional amounts of principal forgiveness on an annual basis, and will continue to stay in-line with historic trends (Figure 1). This ensures the long term stability of SRF revolving funds. The SRF program will also develop a cash flow model to analyze the CWSRF funding base, and forecast impacts to the overall SRF revolving fund. This information will assist the state in program evaluation and make future programmatic decisions regarding fund management

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for green projects and small and disadvantaged communities.

Green Project Reserve (GPR) Allocation

The FFY 2019 CWSRF Capitalization Grant requires a portion of the funds to be allocated to green projects. The State will allocate a minimum of 10% of the FFY 2019 project funds to fund eligible green projects. The State has elected to strive for a goal of 18% allocation for green projects. Green projects shall be utilized to address green (stormwater) infrastructure, resilience, water or energy efficiency improvements, or other environmentally innovative activities.

Projects meeting GPR criteria will follow the same process as all other SRF projects. [EPA's green project eligibility requirements](#) for the CWSRF Loan Program will be used to evaluate the green projects. Additionally, green projects will be selected separately from the total cost until the requirement has been met.

The State will have met the GPR requirement when the minimum percentage of the capitalization grant for FFY 2019 is in executed assistance agreements for qualifying green projects. If a green project is underbid and the State has not met the required percentage for GPR, the difference between the amount in the executed assistance agreement and the winning bid must be used for another green project(s).

Loan Recipient Project Requirements

All CWSRF funded projects will be required to comply with all current CWSRF rules, regulations, policies, and procedures provided in this section and elsewhere in this document. In addition, to this section, the [Federal Fiscal Year Appropriations Bill](#) outlines requirements for all federally funded projects. More information on those requirements is provided in that section of this document.

To be considered for FY 2019 CWSRF Green Project Reserve (GPR) funding, **not less than 20%** of the total project cost must be used towards the green component. If the green component cost is less than 20% the total project funding will be adjusted such that the green component cost will be equal to 20% of the funded project cost.

Cost and Effectiveness Analysis

Under the CWA § 602(b)(13), the statute requires all assistance recipients meeting the definition of municipality or inter-municipal, interstate, or state agency to certify that they have conducted the studies and evaluations referred to as a cost and effectiveness analysis. The statute requires that a cost and effectiveness analysis involve, at a minimum: the study and evaluation of the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and the selection, to the maximum extent practicable, of a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation and energy conservation, taking into account –

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- The cost to construct the project or activity;
- The cost of to operate and maintain the project or activity over the life of the project or activity; and
- The cost to replace the project or activity.

A cost and effectiveness analysis is an eligible cost, and CWSRFs can provide assistance for planning and/or engineering activities that involve this analysis; however, the certification must be provided before loan approval. This provision applies to all types of assistance provided to the public entities described above for which the recipient submits an application on or after October 1, 2015.

General Accepted Accounting Principles (GAAP)

The State requires assistance recipients to follow § 602(b)(9) of the Federal Water Pollution Control Act (CWA) and maintain project accounts according to General Accepted Accounting Principles (GAAP) as issued by the [Government Accounting Standards Board \(GASB\)](#). This provision requires assistance recipients to use standards relating to the reporting of infrastructure assets. The most recent applicable standard is GASB Statement No. 34 (GASB 34), issued in June 1999, which details governmental reporting requirements including standards for reporting of infrastructure assets. Further details on the requirements, as well as the full text of GASB 34, can be obtained through the GASB.

Fiscal Sustainability Planning (FSP)

As amended, by the Water Resources Reform Development Act (WRRDA), the CWA §603(d)(1)(E) requires a recipient of a loan for a project that involves the repair, replacement, or expansion of a publicly owned treatment works to develop and implement a fiscal sustainability plan (FSP) or certify that it has developed and implemented such a plan. This provision applies to all loans for which the borrower submitted an application on or after October 1, 2014.

FSPs should be treated as “living document” that are regularly reviewed, revised, expanded, and implemented as an integral part of the operation and management of the system. At a minimum, the FSPs should include:

- An inventory of critical assets that are part of the treatment works;
- An evaluation of the condition and performance of inventoried assets or asset groupings;
- A certification that the assistance recipient has evaluated and will implement water and energy conservation efforts as part of the plant; and
- A plan to maintain, repair, and, as necessary, replace the treatment works and a plan to fund such activities.

The State has determined that certification will be submitted to SRF before loan approval, and the FSP must be completed and in place by the “Notice to Proceed” and made available for review by SRF staff

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upon the first interim construction inspection visit.

Architectural and Engineering Procurement

For any capitalization grant awarded after October 1, 2014, the State must ensure that all architectural and engineering (A/E) contracts for projects identified as using funds “directly made available by” a capitalization grant (i.e. equivalency projects) comply with the elements of the procurement processes for A/E services as identified in 40 U.S.C. 1101 et seq., or an equivalent state requirement.

To the extent possible, the State should identify all equivalency projects in its Intended Use Plan (IUP). The State should also identify all equivalency projects in its Annual Report and specify whether those projects include any A/E services. Only the SRF-funded contracts for A/E services associated with equivalency projects must comply with this requirement.

The State intends to use one of the following: City of Franklin, Chattanooga, or Town of Smyrna to satisfy our CWSRF equivalency project requirements.

Financial Status of the CWSRF Loan Program

Required state match dollars will be appropriated in the FY 2020 state budget for the FFY 2019 Capitalization Grant. The 20% match of \$4,616,400 is allocated to the CWSRF Loan Program project fund during FFY 2019. Based on the carry forward dollars, coupled with the Drinking Water SRF funds transferred to CWSRF, and the available funds from the FFY 2019 Capitalization Grant the state can provide up to \$160,570,812 to loan for projects (Table 2). These funds are expended, at the 80% federal and 20% state match. Reimbursements are submitted by loan recipients, once approved by the State, the funds are reimbursed to the recipient. Recipients repay the loans and these dollars are deposited into the Fund and interest is earned.

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Table 2: Summary of CWSRF financial status

Financial Status of the CWSRF Loan Program		
Prior-Year Carry-forward Funds*		\$ 47,940,405
Principal & Interest Receivables Projected for FY 2019**		38,210,673
Interest on DWSRF Loan Program Cash Projected for FY 2019**		3,911,417
FY 2019 Capitalization Grant		23,082,000
20% of FY 2019 Capitalization Grant matched by State		4,616,400
Transfer of funds from DW		42,809,917
CWSRF Loan Program Project Funds***		\$ 160,570,812
*Estimated balance at June 30, 2019 pre-year-end adjustments		
** Estimated principal, interest, and treasury interest for FY 2019		
*** Pursuant to §603 (d)(7) of the CWA, the State intends to use up to 1/5 percent of the current valuation of the fund for administrative support.		

Administrative and Technical Assistance

The State intends to utilize up to 1/5 percent of the current valuation of the CWSRF Revolving Fund for administration and technical assistance projects, pursuant to §603(d)(7). The valuation calculation shall be based upon "Total Net Position" of the Fund as determined by the Comptroller of the Treasury state fiscal yearend (June 30) and reported in the Annual Audit . The net position of the CWSRF fund balance for the State FY 2019 are yet to be available and therefore, we estimate that approximately \$2,000,000 will be allocated for administration, management, and operation of the CWSRF Loan Program.

The administrative support includes salaries and benefits of employees; travel of staff relating to project management, conferences, seminars, and workshops; training contracts and state employees; general office supplies; equipment purchases (as needed), communication and printing, and rent of office space. Funds may also be used for monitoring activities relative to nutrient / plant optimization projects.

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Program Assistance Contracts

Ability to Pay Index (ATPI)

TDEC SRF is required by the EPA to use an appropriate ATPI in order to administer SRF clean water and drinking water loans. In addition, the Water Resources Reform and Development Act (WRRDA) of 2014 requires that all state SRF programs use relevant data associated with population trends, income, unemployment, and “other” metrics in the determination of priority ranking and project scoring, tiered interest rates, distribution of additional subsidy, and eligibility for planning and design loans or other benefits for disadvantaged communities. TDEC SRF has contracted with the University of Tennessee Institute of Agriculture (UTIA) Department of Agriculture and Resource Economics Development to update the ATPI annually for all TN counties, cities, and municipalities. The CWSRF will use \$45,000 in administrative funding from FFY 2019 for this purpose. The ATPI is a database of socioeconomic and financial data which serves as the foundation for an index used to help make decisions regarding determination interest rates, allocation of subsidy, and identification of options intended to benefit communities that need it the most. Through this contract, a consistent, transparent, and annually updated index is provided to improve decision making in loan and grant administration by TDEC and the Tennessee Department of Economic & Community Development (ECD). The ATPI will also enhance coordination between TDEC, ECD, and Tennessee USDA Rural Development regarding potential use of resources to best serve disadvantaged communities.

Targeted Technical Assistance and Training for Small and Disadvantaged Communities

TDEC SRF will contract with the Tennessee Association of Utility Districts (TAUD) to develop a consolidated technical assistance program to provide targeted technical assistance to distressed or disadvantaged communities. This contract (using \$100,000 from FFY 2019 CWSRF admin funding) will focus on technical assistance needs for both public water and wastewater systems; managerial, financial, and technical capacities for systems; assist in reducing occurrence of health based drinking water violations; optimize resources and support to small and disadvantaged communities and systems across the state; develop new capacity to make full use of Federal Capitalization Grant set asides for drinking water; and implement priorities under TNH2O. Technical assistance will be provided at no cost to eligible communities.

Water Loss Training for Tennessee Communities

TDEC SRF is working to develop a contract focused on water loss training for TN communities, utilities, and commissions using a unique water loss data collection system and training methodology with a basic foundation in AWWA methods. This effort will aid utilities in determining where their water loss is originating and to help them identify mitigation actions specifically for their systems. TDEC will work directly with a contractor to develop a customized training system based on the priorities of the Water and Wastewater Financing Board and the Utility Management Review Board of the Treasury to specifically address priorities related to water loss in the State of Tennessee, and to ensure objective and reproducible results that can be used to measure water loss in TN. The developed training program is tailored to issues researched by TDEC to address the

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needs of the state and incorporate the priorities of TNH20.

Annual Report Requirements

Section 606(d) of the CWA requires that beginning the first fiscal year after receiving payments under the CWSRF the State shall provide an Annual Report to EPA. The Annual Report shall be submitted to EPA within 90 days after the end of the fiscal year covered by the IUP. This report shall identify loan recipients (name and identification number), loan amounts and terms, Green Projects, projects receiving subsidization (principal forgiveness), amount of subsidy, similar details on other forms of financial assistance provided from CWSRF, population of loan recipient, and other such information as EPA may require.

Assurances and Specific Proposals

The State shall provide the necessary assurances and certifications described in the Operating Agreement submitted as part of the Capitalization Grant Application. This Operating Agreement is the official agreement between the State and EPA and is incorporated herein by reference. Pursuant to §§ 606(c)(4) and 606(c)(5) of the CWA, the State certifies that:

- The State will enter into binding commitments equal to at least 120% of each quarterly grant payment within one year after receipt of the payment
- The State will expend all funds in the CWSRF in an expeditious and timely manner
- Funds will first be used to assure maintenance of progress toward compliance with enforceable deadlines, goals, and requirements of the CWA
- The State agrees to commit or expend each quarterly capitalization grant payment in accordance with the state's own laws and procedures

In addition, the State certifies that it will conduct environmental reviews on wastewater facility projects in satisfying the National Environmental Policy Act (NEPA)-like requirements. The State's NEPA-like procedures are contained in the approved Operating Agreement.

Federal Fiscal Year 2019 Appropriations Bill and Other Requirements

Subsidization

The FFY 2019 CWSRF Capitalization Grant requires a portion of the funds to be allocated towards subsidy. The amount allowed for subsidization is a minimum of \$2,308,200, or 10% of the grant award. Eligible recipients of assistance from the State Revolving Fund (SRF) will receive subsidization in the form of principal forgiveness. Tennessee's CWSRF Loan Program developed a small and disadvantaged community principal forgiveness process that portions funds for disadvantaged communities with a below average Ability to Pay.

Additional subsidy may also be awarded to eligible communities for resilient or green projects that

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meet eligibility requirements for EPA SRF Green Projects, and for projects that demonstrate an in-kind-contribution that serves broader State interests (e.g., developing model projects for high priority wastewater infrastructure needs, or utilizing new and innovative approaches with the potential of replication across the state). SRF plans to pilot a small number of these projects in each fiscal year for communities that are willing to provide in-kind-contribution and undergo additional monitoring to determine the benefit of such projects to water quality and the State.

Davis-Bacon

The Davis-Bacon and related Acts, apply to contractors and subcontractors performing on federally funded or assisted contracts in excess of \$2,000 for the construction, alteration, or repair (including painting and decorating) of public buildings or public works. Davis-Bacon Act and Related Act contractors and subcontractors must pay their laborers and mechanics employed under the contract no less than the locally prevailing wages and fringe benefits for corresponding work on similar projects in the area. The Davis-Bacon Act directs the Department of Labor to determine such locally prevailing wage rates. The Davis-Bacon Act applies to contractors and subcontractors performing work on federal or District of Columbia contracts. The Davis-Bacon Act prevailing wage provisions apply to the "Related Acts," under which federal agencies assist construction projects through grants, loans, loan guarantees, and insurance.

For prime contracts in excess of \$100,000, contractors and subcontractors must also, under the provisions of the Contract Work Hours and Safety Standards Act, as amended, pay laborers and mechanics, including guards and watchmen, at least one and one-half times their regular rate of pay for all hours worked over 40 in a workweek. The overtime provisions of the Fair Labor Standards Act may also apply to DBA-covered contracts.

American Iron and Steel

The American Iron and Steel (AIS) provision requires Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) assistance recipients to use iron and steel products that are produced in the United States. This requirement applies to projects for the construction, alteration, maintenance, or repair of a public water system or treatment works and if the project is funded through an assistance agreement executed beginning January 17, 2014.

The AIS provision is a permanent requirement for all CWSRF projects. The America's Water Infrastructure Act of 2018 extends the AIS provision for DWSRF projects through Fiscal Year 2023.

On October 23, 2018, the President signed the "America's Water Infrastructure Act of 2018" (AWIA), which includes several updates and revisions to the Safe Drinking Water Act (SDWA), including the Drinking Water State Revolving Fund (DWSRF) provisions. Section 2022 of AWIA amended Section 1452(a)(4)(A) of SDWA to extend the requirement for the use of American Iron and Steel (AIS) products

**Clean Water State Revolving Fund
Draft Intended Use Plan
July 2019**

in projects receiving financial assistance from the DWSRF during fiscal years 2019 through 2023.

Disadvantaged Business Enterprise (MBE)/Women's Business Enterprise (WBE)

Goals

MBE/WBE reporting is required in annual reports. Reporting is required for assistance agreements where there are funds budgeted for procuring construction, equipment, services and supplies, including funds budgeted for direct procurement by the recipient or procurement under sub-awards or loans in the "Other" category that exceed the threshold amount of \$150,000, including amendments and/or modifications.

The State of Tennessee has negotiated the following, applicable MBE/WBE fair share objectives/goals with EPA as follows:

MBE: CONSTRUCTION 2.6%; SUPPLIES 5.2%; SERVICES 5.2%; EQUIPMENT 5.2%

WBE: CONSTRUCTION 2.6%; SUPPLIES 5.2%; SERVICES 5.2%; EQUIPMENT 5.2%

In accordance with 40 CFR, Part 33, Subpart D, established goals/objectives remain in effect for three fiscal years unless there are significant changes to the data supporting the fair share objectives. The loan recipient is required to follow requirements as outlined in 40 CFR Part 33, Subpart D when renegotiating the fair share objectives/goals.

Pursuant to 40 CFR, Section 33.301, the recipient agrees to make the following good faith efforts whenever procuring construction, equipment, services and supplies under an EPA financial assistance agreement, and to require that sub-recipients, loan recipients, and prime contractors also comply. Records documenting compliance with the six good faith efforts shall be retained:

Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.

1. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
2. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this includes dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.

**Clean Water State Revolving Fund
Draft Intended Use Plan**
July 2019

3. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
4. Use the services and assistance of the SBA and the Minority Business Development Agency of the Department of Commerce.

If the prime contractor awards subcontracts, require the prime contractor to take the steps in paragraphs (1) through (5)

Environmental Benefits

To meet the EPA Order 5700.7 and the Consolidated Appropriations Act, 2017, P.L. 115-31, SRF agrees to comply with all requests for data by EPA related to the use of the funds under Subchapter VI of the Clean Water Act (CWA), and to report all uses of the funds within the CWSRF Benefits Reporting database no less than quarterly. This reporting will include but not be limited to data with respect to compliance with the Green Project Reserve.

Amending the Intended Use Plan

The SRF Program reserves the ability to amend the IUP as needed to promote the efficient and effective administration of the program. Changes to the IUP that impact the administration of the program will be made public on the SRF website and through appropriate communication channels.

Appendix

June 18, 2019

PUBLIC NOTICE TO ALL

POTENTIAL STATE REVOLVING FUND (SRF) LOAN APPLICANTS AND INTERESTED PARTIES

The Tennessee Department of Environment and Conservation (TDEC) will hold a public meeting **Thursday, July 18, 2019**, to present the federal fiscal year (FY) 2019 *Draft Intended Use Plans* (IUPs) for the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) capitalization grants and to receive public comments. The meeting will be held in the **Multi-Media Room, 3rd Floor, William R. Snodgrass - TN Tower, 312 Rosa L. Parks Ave., Nashville, Tennessee**, at **10:00 a.m. CDT**. Attendees will need to bring a government issued, photo identification to check-in at the Security Desk for access to the building.

The state's Intended Use Plans outline the intended use of Federal and State appropriations for the CWSRF and DWSRF. The IUPs include Priority Ranking Lists of eligible water and sewer projects and details use of set-asides monies for non-project activities, DWSRF and CWSRF Loan Program goals, and the criteria and methods used for distributing funds. The draft IUPs will be finalized after a 30-day post-public meeting comment period.

CLEAN WATER STATE REVOLVING FUND LOAN PROGRAM:

TDEC will apply for the FY 2019 Environmental Protection Agency (EPA) Capitalization Grant from the CWSRF Loan Program in the amount of \$23,082,000 and requires a state match of \$4,616,400.

DRINKING WATER STATE REVOLVING FUND LOAN PROGRAM:

TDEC will apply for the FY 2019 EPA Capitalization Grant from the DWSRF Loan Program in the amount of \$19,113,000 and requires a state match of \$3,822,600.

SPECIAL PROVISIONS OF THE FY 2019 CWSRF AND DWSRF CAPITALIZATION GRANTS

The Capitalization Grant Conditions for FY 2019 requires the State to set aside a minimum of 10% Green Project Reserve for the CWSRF loan program. The State will set aside a minimum of 10% up to a maximum of 15% of the funds available for the Green Project Reserve for the DWSRF loan program. Additional subsidy for both CWSRF and DWSRF to eligible recipients for both programs will be in the form of Principal Forgiveness (PF), which shall be prioritized based on Ability to Pay.

Ability to Pay is determined using an index (Ability to Pay Index – ATPi) developed by the University of Tennessee Institute of Agriculture (UTIA) in 2019. The ATPi is a database of socioeconomic and financial data which serves as the foundation for an index used to help make decisions regarding determination interest rates, allocation of subsidy, and identification of options intended to benefit communities that need it the most.

If you are unable to attend the meeting, the IUPs will be available on the [SRF website](#) following the meeting. For more information, contact Vena Jones at 615-253-5320. All comments must be received in the State Revolving Fund Loan Program's office no later than August 18, 2019. Comments may be mailed to Ms. Jones at William R. Snodgrass – TN Tower, 312 Rosa L. Parks Ave. 12th Floor, Nashville, TN 37243; or submitted via e-mail to vena.l.jones@tn.gov.

If it is hard for you to read, speak, or understand English, TDEC may provide translation or interpretation services free of charge. Please contact Saul Castillo at 615-532-0462 for more information.

Individuals with disabilities who wish to participate in these proceedings or to review these filings should contact the Tennessee Department of Environment and Conservation to discuss any auxiliary aids or services needed to facilitate such participation. Such contact may be in person or by writing, telephoning, or other means and should be made no less than 10 days prior to the scheduled meeting date to allow time to provide such aid or services. To make these arrangements, please contact the Tennessee Department of Environment and Conservation, ADA Coordinator, Don Tate, William R. Snodgrass – TN Tower, 312 Rosa L. Parks Ave. 22nd Floor, Nashville, TN 37243, or (615) 532-0037. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

**CLEAN WATER STATE REVOLVING FUND
FY 2019 Priority Ranking List**

**Total Green
Requested
\$ 87,222,000**

Total CWSRF \$ 335,480,462

COMPREHENSIVE LIST

*Includes 5 points for having an approved Growth Plan

Rank Order	Priority Points*	ATPI	Population	NPDES/SOP#	Local Government	County	Project Description	Total Project Amount (\$)	Running Total of Total Project Amount Requested (\$)	GREEN Component Amount (\$)	Running Total of GREEN Amount Requested (\$)	Const. Start	Const. Completion	Proj. Type (212 or 319)	EPA Needs Category (I, II, III-A, III-B, IV-A, IV-B, V, etc.)	Discharge Treatment Requirement (Secondary, Advanced, or N/A)	HUC Code
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1	123.7	50	11,852	TN0026263	Caryville-Jacksboro Utilities Commission	Campbell	WWTP Improvements/Advanced Treatment (Headworks improvements, rehabilitate existing clarifiers, replace plug valves within the RAS and WAS valve pump and valve pit, additional aeration basin capacity, and modify the digester aeration piping)	\$ 1,118,000	\$ 1,118,000	\$ -	\$ -	Aug-19	Nov-20	212	II	Advanced	06010205
2	117.0	30	966	TN0021539	Alexandria	DeKalb	WWTP Improvements/Advanced Treatment (Modifications to the WWTP in order to operate in compliance with new permit limits) Planning and Design	\$ 50,000	\$ 1,168,000	\$ -	\$ -	NA	NA	212	II	Advanced	05130108
3	116.8	70	70,908	TN0028827	Franklin	Williamson	WWTP Expansion/Advanced Treatment (Expanding the existing WWTP from 12.0 MGD to 16.0 MGD to include new headworks, EQ basin, and UV disinfection system; modifying the biological nutrient system and denitrification filters; and biosolids and hydraulic improvements.)	\$ 32,500,000	\$ 33,668,000	\$ 55,000,000	\$ 55,000,000	Nov-18	Sep-20	212	II	Advanced	05130204
4	113.0	70	47,521	TN0020541	Smyrna	Rutherford	WWTP Expansion (Expanding the WWTP from 5.85 MGD to 9MGD to include advanced biological treatment, secondary clarification, and tertiary filtration; upgrades to the UV disinfection, aeration, and solids dewatering system; and administration/lab and SCADA upgrades.)	\$ 30,486,775	\$ 64,154,775	\$ 8,450,000	\$ 63,450,000	Jun-19	Sep-22	212	II	Advanced	05130203
5	112.3	70	65,211	TN0024813	Jackson Energy Authority	Madison	WWTP Improvements/Secondary Treatments (Improvements to the Biosolids Drying at the Miller Ave WWTP)	\$ 5,375,000	\$ 69,529,775	\$ 5,375,000	\$ 68,825,000	Dec-20	Apr-22	212	I	Secondary	08010205
6	111.2	80	167,674	TN0024210	Chattanooga	Hamilton	WWTP Improvements/Advanced Treatment (Moccasin Bend WWTP EQ-UNOX Improvements to include the installation of approximately 900 LF of conveyance piping)	\$ 4,000,000	\$ 73,529,775	\$ -	\$ 68,825,000	Mar-20	Aug-20	212	II	Advanced	06020001
7	111.1	70	6,623	TN0077836	Oakland	Fayette	Effluent Force Main Replacement (Replace the existing 12-inch diameter force main with a 16-inch diameter force main from the WWTP to the golf course.)	\$ 1,285,000	\$ 74,814,775	\$ -	\$ 68,825,000	Feb-20	Oct-20	212	I	Secondary	08010209
8	108.3	50	1,608	TN0025054	Pikeville	Bledsoe	New WWTP/Advanced Treatment (Construction of a 0.68 MGD WWTP to replace the existing 0.254 MGD WWTP)	\$ 4,500,000	\$ 79,314,775	\$ -	\$ 68,825,000	Mar-21	Oct-22	212	II	Advanced	06020004
9	108.1	70	41,285	TN0024121	Cleveland	Bradley	WWTP Improvements/Advanced Treatment (Installation of a new chlorine scrubber and associated appurtenances at the Hiwassee River WWTP)	\$ 840,000	\$ 80,154,775	\$ -	\$ 68,825,000	Apr-20	Jan-21	212	II	Advanced	06020002
10	108.0	50	6,737	TN0021253	Church Hill	Hawkins	WWTP Improvements/Advanced Treatment (Upgrades to the recycle water pumping system and electrical/control system; and misc. improvements at the WWTP)	\$ 450,000	\$ 80,604,775	\$ 95,000	\$ 68,920,000	Dec-19	Dec-20	212	II	Advanced	06010104
11	45.0	30	966	TN0021539	Alexandria	DeKalb	Water Meter Replacement (Installation of AMR meters to replace all existing meters) Planning and Design	\$ 20,000	\$ 80,624,775	\$ 20,000	\$ 68,940,000	NA	NA	212	VI-C	N/A	05130108

CLEAN WATER STATE REVOLVING FUND
FY 2019 Priority Ranking List

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COMPREHENSIVE LIST

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Rank Order	Priority Points*	ATPI	Population	NPDES/SOP#	Local Government	County	Project Description	Total Project Amount (\$)	Running Total of Total Project Amount Requested (\$)	GREEN Component Amount (\$)	Running Total of GREEN Amount Requested (\$)	Const. Start	Const. Completion	Proj. Type (212 or 319)	EPA Needs Category (I, II, III-A, III-B, IV-A, IV-B, V, etc.)	Discharge Treatment Requirement (Secondary, Advanced, or N/A)	HUC Code
12	45.0	40	12,430	TN0078255	Lakeland	Shelby	New Pump Station/Interceptor (Replacing the existing Clear Creek Interceptor to serve residents in east Lakeland; and the construction/installation of a new pump station and interceptor to divert wastewater flows from Memphis to the Lakeland WWTP.)	\$ 15,000,000	\$ 95,624,775	\$ -	\$ 68,940,000	Jul-20	Jul-21	212	IV-B	N/A	08010209
13	45.0	50	9,474	SOP-98007	Atoka	Tipton	Collection System Expansion (Installation of sixty grinder pumps and approximately 14,000 LF of 1 1/4-inch, 1 1/2-inch, 2-inch, 3-inch, and 4-inch diameter PVC pipe in the Squired Grove Neighborhood)	\$ 400,000	\$ 96,024,775	\$ -	\$ 68,940,000	Jun-19	Jan-20	212	IV-A	N/A	08010100
14	45.0	50	14,176	TN0023515	Elizabethton	Carter	Collection System Expansion (Installation of approximately 20,950 LF of 8-inch diameter gravity sewer and 4-inch diameter force main; and the construction of a combination of conventional, simplex, and duplex grinder pump stations to provide sewer service in the Milligan Hwy Area.)	\$ 3,491,900	\$ 99,516,675	\$ -	\$ 68,940,000	Mar-20	Mar-21	212	IV-B	N/A	06010103
15	45.0	60	604	SOP-12022	Eagleville	Rutherford	Collection System Expansion (Expansion of the sewer collection system to include the installation of 250 STEP tanks and pumps and approximately 20,000 LF of 4-inch diameter PVC sewer lines to provide service to additional customers within the community.)	\$ 2,835,000	\$ 102,351,675	\$ -	\$ 68,940,000	Mar-20	Aug-21	212	IV-A	N/A	05130204
16	45.0	60	3,231	TN0061620	Oliver Springs	Anderson/Roane/Morgan	Water Loss Remediation - Planning and Design	\$500,000	\$ 102,851,675	\$ 500,000	\$ 69,440,000	Apr-19	Apr-20	212	VI-C	N/A	06010207
17	45.0	60	6,097	TN0023001	Erwin Utilities Authority	Unicoi	Water Meter Replacement (Installation of AMI meters and leak detection equipment throughout the service area.)	\$ 2,000,000	\$ 104,851,675	\$ 2,000,000	\$ 71,440,000	Jul-20	Dec-21	212	VI-C	N/A	06010108
18	45.0	60	18,655	TN0023469	Tullahoma	Coffee/Franklin	New Pump station/Force Main (Replacement of the existing Ovoca Road PS and the installation of approximately 10,000 LF of 12-inch diameter force main along Ovoca Road.)	\$ 1,470,000	\$ 106,321,675	\$ -	\$ 71,440,000	Mar-20	Dec-20	212	IV-B	N/A	06030003
19	45.0	70	6,623	TN0077836	Oakland	Fayette	New Pump Station and Force main (Construction of a new pumping station and the installation of approximately 14,000 LF of 10-inch diameter force main for the Hwy 64 corridor.)	\$ 2,046,000	\$ 108,367,675	\$ -	\$ 71,440,000	Feb-20	Oct-20	212	IV-B	N/A	08010209
20	45.0	70	65,211	TN0024813	Jackson Energy Authority	Madison	Water Meter Replacement (Phase I of the replacement of approximately 37,000 meters throughout the service system with AMR/AMI meters.)	\$3,500,000	\$ 111,867,675	\$ 3,500,000	\$ 74,940,000	Sep-19	Sep-21	212	VI-C	N/A	08010205
21	45.0	80	63,152	TN0028789	Johnson City	Washington/Sullivan/ Carter	Pump Station Replacement (Replacing the C-Lift Station and the installation of an emergency generator.)	\$ 3,400,000	\$ 115,267,675	\$ 3,400,000	\$ 78,340,000	Sep-19	Sep-20	212	IV-B	N/A	06010102
22	45.0	80	63,152	TN0028789	Johnson City	Washington/Sullivan/ Carter	Sewer Interceptor Replacement (Installation of approximately 10,000 LF of new 30-inch diameter force main for the B-Lift Station.)	\$ 6,500,000	\$ 121,767,675	\$ -	\$ 78,340,000	Dec-19	Dec-20	212	IV-B	N/A	06010102
23	45.0	80	167,674	TN0024210	Chattanooga	Hamilton	New Force Main/Interceptor (Replacing approximately 2,200 LF of the 30-inch diameter Citico force main.)	\$ 5,000,000	\$ 126,767,675	\$ -	\$ 78,340,000	Mar-20	Aug-20	212	IV-B	N/A	06020001

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24	45.0	90	11,564	TN0024996	Crossville	Cumberland	New Pump Station/Force main (Construction of a new pump station and installation of approximately 13,000 LF of 4-inch diameter force main to divert backwash sludge flows from lagoons at Meadow Park WTP to the Crossville WWTP and provide sewer service to customers currently utilizing septic systems.)	\$ 953,000	\$ 127,720,675	\$ -	\$ 78,340,000	Oct-19	Apr-20	212	IV-B	N/A	06010208
25	45.0	90	113,993	SOP-18020	Water and Wastewater Authority of Wilson County	Wilson/Trousdale	Water Meter Replacement (Installation of approximately 7,800 AMI meters, leak detection equipment, and software integration of AMI, SCADA, GIS, and CIS; and implementation of a pilot pressure management area.)	\$ 3,000,000	\$ 130,720,675	\$ 2,500,000	\$ 80,840,000	Jun-19	Jun-21	212	VI-C	N/A	05130201
26	45.0	90	336,463	TN0024210 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	Collection System Relocation (Abandonment of existing sewer line within the I-75 right-of-way and the installation of approximately 4,000 LF of 15-inch diameter sewer lines and 20 manholes in the East Ridge I-75 Sewer Basin)	\$ 3,210,000	\$ 133,930,675	\$ -	\$ 80,840,000	Jul-19	Dec-19	212	IV-A	N/A	06020001
27	40.0	60	16,440	TN0024961	Springfield	Robertson	Collection System Rehabilitation (Rehabilitation of approximately 5,000 LF of the Sulphur Fork Creek Interceptor; replacing approximately 8,000 LF of the Sulphur Fork Creek Interceptor; and stream bank stabilization along Beans Cave Creek.)	\$ 4,200,000	\$ 138,130,675	\$ -	\$ 80,840,000	Sep-19	Jun-20	212	III-B	N/A	05130206
28	30.0	20	1,194	TN0061841	Cornersville	Marshall	Storm water Conveyance Infrastructure (Installation of approximately 7,200 LF of curbs and gutters, culvert, and catch basins along Main Street for storm water management.)	\$ 300,000	\$ 138,430,675	\$ -	\$ 80,840,000	Jun-20	Nov-20	212	VI-A	N/A	06030004
29	30.0	20	1,477	TN0025488	Watertown	Wilson	I/I Correction (Rehabilitation of approximately 15,000 LF of sewer lines by method of CIPP or replacement and rehab existing manholes.)	\$ 2,300,000	\$ 140,730,675	\$ -	\$ 80,840,000	Aug-19	Aug-20	212	III-A	N/A	05130201
30	30.0	30	2,735	SOP-99006	Brighton	Tipton	Storm water Conveyance Infrastructure (Replacing the existing 36-inch diameter culvert under West Oaklawn Avenue; replacing drain pipes in the Woodlawn Plantation Subdivision with HDPE or reinforced concrete pipe; and rehabilitating associated failing inlets)	\$ 623,987	\$ 141,354,662	\$ -	\$ 80,840,000	Jul-19	Dec-19	212	VI-A	N/A	08010100
31	30.0	40	1,781	TN025127	Rocky Top	Anderson & Campbell	I/I Correction (Rehabilitation of approximately 50,000 LF of sewer lines by methods of CIPP, pipe bursting, and/or open cut; and manhole rehabilitation.)	\$ 3,000,000	\$ 144,354,662	\$ 2,500,000	\$ 83,340,000	Nov-19	Dec-20	212	III-A	N/A	06010207
32	30.0	40	9,036	TN0030899	Hartsville-Trousdale Water and Sewer Utility District	Trousdale	I/I Correction (Purchasing infiltration and inflow monitoring and inspection equipment and performing collection system point repairs.)	\$ 1,000,000	\$ 145,354,662	\$ -	\$ 83,340,000	Jan-20	Dec-20	212	III-A	N/A	05130201
33	30.0	50	6,737	TN0021253	Church Hill	Hawkins	I/I Correction (Televising and rehabilitation of sewer lines and manholes in Sewer Basins 1, 3, and 4 of the wastewater collection system.)	\$ 750,000	\$ 146,104,662	\$ 750,000	\$ 84,090,000	Dec-19	Dec-20	212	III-A	N/A	06010104

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34	30.0	50	6,737	TN0021253	Church Hill	Hawkins	Pump Station Improvements (Upgrades to the Holliston Mills PS, relocation of the Dorton PS, and misc. upgrades at the other 16 PS's in the collection system.)	\$ 850,000	\$ 146,954,662	\$ 340,000	\$ 84,430,000	Dec-19	Dec-20	212	III-B	N/A	06010104
35	30.0	50	9,474	SOP-98007	Atoka	Tipton	Pump Station Improvements (Rehabilitation of the Main Street PS and installation of a backup generator and a bypass pump for the Kearn Lift Station)	\$ 220,000	\$ 147,174,662	\$ -	\$ 84,430,000	Jun-19	Jan-20	212	III-B	N/A	08010100
36	30.0	50	13,605	TN0023591	McMinnville	Warren	Collection System Rehabilitation/Replacement (Replacing approximately 1,300 LF 18-inch diameter PVC sewer line with 24-inch diameter DIP; and manhole rehabilitation.)	\$750,000	\$ 147,924,662	\$ -	\$ 84,430,000	Jan-20	Jan-21	212	III-B	N/A	05130107
37	30.0	50	29,330	TN0024155	Oak Ridge	Anderson/Roane	Collection System Rehabilitation (Rehabilitation of the sewer collection system Sewer in the southeastern portion of the City.)	\$ 1,900,000	\$ 149,824,662	\$ 1,900,000	\$ 86,330,000	Apr-20	Jan-21	212	III-B	N/A	06010207
38	30.0	50.0	29,330	TN0024155	Oak Ridge	Anderson/Roane	Pump Station Improvements (Evaluation of the necessary improvements/upgrades needed for the Emory Valley pump station.) Planning and Design	\$ 100,000	\$ 149,924,662	\$ -	\$ 86,330,000	Apr-20	Jan-21	212	III-B	N/A	06010207
39	30.0	50	646,889	TN0020729 TN0020711	Memphis	Shelby	Collection System Rehabilitation (Group 2 Relay to include replacing approximately 20,000LF of 8-inch to 12-inch diameter sewer lines and manhole rehabilitation.)	\$ 8,000,000	\$ 157,924,662	\$ -	\$ 86,330,000	Apr-19	Dec-20	212	III-B	N/A	08010100
40	30.0	50	646,889	TN0020729 TN0020711	Memphis	Shelby	I/I Correction (Group 2 CIPP to include pre-cleaning, rehabilitation of approximately 35,000 LF of 8-inch thru 24-inch diameter sewer lines by methods of CIPP and point repairs; and manhole rehabilitation.)	\$ 7,000,000	\$ 164,924,662	\$ -	\$ 86,330,000	Apr-19	Dec-20	212	III-A	N/A	08010100
41	30.0	50	646,889	TN0020729 TN0020711	Memphis	Shelby	I/I Correction (Group 3 CIPP to include pre-cleaning, rehabilitation of approximately 48,000 LF of 8-inch thru 36-inch diameter sewer lines by methods of CIPP and point repairs; and manhole rehabilitation.)	\$ 8,000,000	\$ 172,924,662	\$ -	\$ 86,330,000	Apr-19	Dec-20	212	III-A	N/A	08010100
42	30.0	60	3,490	TN0063771	Etowah Utilities	McMinn	I/I Correction (Evaluation and rehabilitation of Etowah's sewer collection system)	\$ 2,150,000	\$ 175,074,662	\$ -	\$ 86,330,000	Jan-20	Nov-20	212	III-A	N/A	06020002
43	30.0	60	4,105	TN0078808	Waverly	Humphreys	I/I Correction (Replacement of approximately 2,000 LF of sewer lines and manholes; and rehabilitation of approximately 3,400 LF of sewer lines by method of CIPP.)	\$ 740,000	\$ 175,814,662	\$ -	\$ 86,330,000	Sep-19	Feb-20	212	III-A	N/A	06040005
44	30.0	60.0	10,428	TN0022551	Lawrenceburg	Lawrence	Collection System Rehabilitation/Replacement (Replacing approximately 20,200 LF of 8-inch thru 30-inch diameter sewer lines along Helton Drive, Second Street, Hwy 43, West Scott, Scout Park, Buffalo Road, Shoal Circle, and Thomas Street.)	\$ 11,632,000	\$ 187,446,662	\$ -	\$ 86,330,000	Mar-20	Sep-21	212	III-B	N/A	06030005
45	30.0	60	16,440	TN0024961	Springfield	Robertson	Pump Station/Collection System Replacement (Installation of approximately 10,000 LF of 8-inch thru 18-inch diameter gravity sewer with approximately 50 new manholes; and the construction of pump stations at Locust Street and Bransford to eliminate SSOs.)	\$ 5,500,000	\$ 192,946,662	\$ -	\$ 86,330,000	May-19	May-20	212	III-B	N/A	05130206

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Rank Order	Priority Points*	ATPI	Population	NPDES/SOP#	Local Government	County	Project Description	Total Project Amount (\$)	Running Total of Total Project Amount Requested (\$)	GREEN Component Amount (\$)	Running Total of GREEN Amount Requested (\$)	Const. Start	Const. Completion	Proj. Type (212 or 319)	EPA Needs Category (I, II, III-A, III-B, IV-A, IV-B, V, etc.)	Discharge Treatment Requirement (Secondary, Advanced, or N/A)	HUC Code
46	30.0	60	18,655	TN0023469	Tallahoma	Coffee/Franklin	I/I Correction (Rehabilitation of approximately 38,000 LF of sewer lines by method of CIPP.)	\$ 5,000,000	\$ 197,946,662	\$ -	\$ 86,330,000	Mar-20	Dec-20	212	III-A	N/A	06030003
47	30.0	60	601,222	TN0020648	Metropolitan Nashville/Davidson County	Davidson	I/I Correction (SSES of approximately 57,900 LF of 8-inch thru 30-inch diameter sewer lines; rehabilitation of approximately 29,000 LF of 8-inch thru 18-inch diameter sewer lines by method of CIPP and manhole rehabilitation in the Shepherd Hills Sewer Basin)	\$ 5,000,000	\$ 202,946,662	\$ -	\$ 86,330,000	May-20	May-21	212	III-A	N/A	05130202
48	30.0	70	2,306	TN0022993	Carthage	Smith	I/I Correction (Sanitary sewer investigation and study to support infiltration and inflow reduction/elimination in the collection system) Planning and Design	\$391,600	\$ 203,338,262	\$ -	\$ 86,330,000	NA	NA	212	III-A	N/A	05130201
49	30.0	70.0	9,038	TN0020982	Covington	Tipton	Sewer Interceptor Rehabilitation/Replacement (Rehabilitation of the existing 30-inch diameter concrete interceptor by method of CIPP and point repair.)	\$ 3,500,000	\$ 206,838,262	\$ -	\$ 86,330,000	Sep-19	Dec-20	212	III-B	N/A	08010208
50	30.0	70	41,285	TN0024121	Cleveland	Bradley	I/I Correction (Rehabilitation of approximately 40,000 LF of sewer lines by methods of CIPP lining and point repairs; and rehabilitation of manholes.)	\$ 4,000,000	\$ 210,838,262	\$ -	\$ 86,330,000	Dec-19	Dec-21	212	III-A	N/A	06020002
51	30.0	80.0	15,921	SOP-88069	Goodlettsville	Davidson/Sumner	Pump Station Improvements (Improvements to the Mansker Creek PS to include replacement of pumps, piping improvements, electrical service upgrades, HVAC improvements, and miscellaneous upgrades to increase reliability.)	\$ 2,400,000	\$ 213,238,262	\$ -	\$ 86,330,000	Jun-20	Dec-21	212	III-B	N/A	05130202
52	30.0	80	32,732	TN0028754	Lebanon	Wilson	Sewer Interceptor Rehabilitation/Replacement (Replacing approximately 7,800 LF of the existing Blair Lane Interceptor, manholes, and associated appurtenances.)	\$ 4,300,000	\$ 217,538,262	\$ -	\$ 86,330,000	Aug-19	Aug-20	212	III-B	N/A	05130201
53	30.0	80	63,152	TN0028789	Johnson City	Washington/Sullivan/ Carter	Pump Station Improvements (Upgrades to the B-Lift Station to include the addition of a third pump.)	\$ 400,000	\$ 217,938,262	\$ -	\$ 86,330,000	Jun-19	Jun-20	212	III-B	N/A	06010102
54	30.0	80	63,152	TN0028789	Johnson City	Washington/Sullivan/ Carter	Sewer Interceptor Rehabilitation/Replacement (Replacing approximately 15,000 LF of the existing 10-inch diameter Lower Boones Creek interceptor and associated manholes.)	\$ 6,700,000	\$ 224,638,262	\$ -	\$ 86,330,000	Mar-20	Dec-20	212	III-B	N/A	06010102
55	30.0	80	63,152	TN0028789	Johnson City	Washington/Sullivan/ Carter	Sewer Interceptor Rehabilitation/Replacement (Replacing approximately 21,000 LF of the Lower Brush Creek Interceptor.)	\$ 15,000,000	\$ 239,638,262	\$ -	\$ 86,330,000	Aug-19	Feb-21	212	III-B	N/A	06010102
56	30.0	90	113,993	TNS075809	Wilson County	Wilson	Green Infrastructure (Installation of drainage improvements and the construction of a bioretention permeable/grass paving parking area at the Agricultural Center to help manage storm water runoff.)	\$ 892,000	\$ 240,530,262	\$ 892,000	\$ 87,222,000	Jun-20	Mar-21	212	VI-C	N/A	05130201
57	30.0	90	336,463	TN0021211 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (A sanitary sewer evaluation in the Signal Mountain Sewer Basin 5 to help develop a strategic plan to correct and prevent SSOs in the River Point Road Area.) Planning and Design	\$ 100,000	\$ 240,630,262	\$ -	\$ 87,222,000	NA	NA	212	III-A	N/A	06020001

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58	30.0	90	336,463	TN0024210 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Preparation of a preliminary engineering report and plans and specifications for rehabilitating the sewer collection system in the Red Bank Sewer Basin 5 that will improve hydraulic capacity and eliminate SSOs.) Planning and Design	\$ 157,000	\$ 240,787,262	\$ -	\$ 87,222,000	NA	NA	212	III-A	N/A	06020001
59	30.0	90	336,463	TN0024210 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Rehabilitation of approximately 18,500 LF of 8-inch to 12-inch diameter sewer lines by methods of CIPP, pipe bursting and open cut in the East Ridge 3C Sewer Basin)	\$ 5,686,200	\$ 246,473,462	\$ -	\$ 87,222,000	May-19	Nov-19	212	III-A	N/A	06020001
60	30.0	90	336,463	TN0024210 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Rehabilitation of approximately 19,500 LF of 6-inch through 12-inch diameter sewers utilizing CIPP, pipe bursting, and open cut methods; and rehabilitation of manholes in the East Ridge Sewer Basin 4B)	\$ 4,985,000	\$ 251,458,462	\$ -	\$ 87,222,000	May-19	Nov-19	212	III-A	N/A	06020001
61	30.0	90	336,463	TN0021211 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Preparation of a preliminary engineering report and plans and specifications for rehabilitating the sewer collection system in the Red Bank Sewer Basin 7 that will improve hydraulic capacity and eliminate SSOs.) Planning and Design	\$ 70,000	\$ 251,528,462		\$ 87,222,000	NA	NA	212	III-A	N/A	06020001
62	30.0	100	6,362	TN0025101	Metropolitan Lynchburg/Moore County	Moore	Storm water Conveyance Infrastructure (Installation of three box culverts on Simmons and Brandon Hollow Road for storm water management.)	\$ 300,000	\$ 251,828,462	\$ -	\$ 87,222,000	Jun-20	Nov-21	212	VI-A	N/A	06030003
63	15.0	80	167,674	TN0024210	Chattanooga	Hamilton	I/I Correction - Wet Weather Storage, Phase 1 (Construction of three 10 MG equalization basins, one 30 MG pump station, and associated appurtenances)	\$ 30,000,000	\$ 281,828,462	\$ -	\$ 87,222,000	Jun-19	Jul-20	212	III-A	N/A	06020001
64	15.0	80	167,674	TN0024210	Chattanooga	Hamilton	I/I Correction - Wet Weather Storage, Phase 4 (Construction of a 30 MG equalization basin, 20 MG pump station, and associated appurtenances)	\$ 20,000,000	\$ 301,828,462	\$ -	\$ 87,222,000	Jun-20	Jan-22	212	III-A	N/A	06020001
65	15.0	90	336,463	TN0024210 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Construction of an EQ basin in the East Ridge service area.) Planning	\$ 350,000	\$ 302,178,462	\$ -	\$ 87,222,000	NA	NA	212	III-A	N/A	06020001
66	15.0	90	336,463	TN0021211 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	I/I Correction (Construction of an EQ basin near the Suck Creek WWTP in the Signal Mountain service area.) Planning	\$ 250,000	\$ 302,428,462	\$ -	\$ 87,222,000	NA	NA	212	III-A	N/A	06020001
67	8.1	90	336,463	TN0021211 SOP-89044	Hamilton County Water & Wastewater Treatment Authority	Hamilton	New Pump Station and Interceptor (Construction/installation of a pump station and force main to eliminate the Suck Creek WWTP discharge and connect to the City of Chattanooga's sewer system.) Planning	\$ 205,000	\$ 302,633,462	\$ -	\$ 87,222,000	NA	NA	212	I	Secondary	06020001
68	6.0	40	1,495	TN0063886	Celina	Clay	WWTP Improvements/Secondary Treatment (Headworks improvements, renovation of the control building, rehabilitation of the existing chlorine contact basin, and installation of SCADA)	\$ 1,450,000	\$ 304,083,462	\$ -	\$ 87,222,000	Jul-20	Dec-21	212	I	Secondary	05130106
69	6.0	40	3,054	TN0061026	Bean Station	Grainger	New WWTP/Secondary Treatment (Replacement of the existing Kingswood WWTP with a new 10,000 GPD package treatment system) Planning and Design	\$535,000	\$ 304,618,462	\$ -	\$ 87,222,000	NA	NA	212	I	Secondary	06010104

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70	6.0	50	982	SOP-94022	Collinwood	Wayne	WWTP Improvements/Secondary Treatment (Replace lagoon liners, upgrade influent pumps, rework spray fields; and replace effluent spray irrigation equipment.)	\$ 687,000	\$ 305,305,462	\$ -	\$ 87,222,000	Mar-20	Sep-21	212	I	N/A	06040001
71	6.0	60	604	SOP-12022	Eagleville	Rutherford	Decentralized Wastewater Treatment Systems (Construction of four additional recirculating sand filters, the installation of two additional UV disinfection units, and additional drip disposal fields.)	\$ 1,825,000	\$ 307,130,462	\$ -	\$ 87,222,000	Mar-20	Aug-21	212	XII	N/A	05130204
72	6.0	70	7,191	TN0020478	Dayton	Rhea	WWTP Improvements/Secondary Treatment (Construction of a SBR and headworks with fine screening and grit removal; installation of disinfection equipment and standby generator.)	\$ 21,850,000	\$ 328,980,462	\$ -	\$ 87,222,000	Oct-19	Apr-21	212	I	Secondary	06020001
73	6.0	70.0	9,038	TN0020982	Covington	Tipton	WWTP Improvements/Secondary Treatment (Installation of new secondary treatment and solids handling equipment.)	\$ 6,500,000	\$ 335,480,462	\$ -	\$ 87,222,000	Sep-19	Dec-20	212	I	Secondary	08010208

CWSRF LOAN PROGRAM BINDING COMMITMENT SCHEDULE

QUARTER				AMOUNT	
Qtr 1	Oct-01-2019	THRU	Dec-31-2019	\$	5,770,500
Qtr 2	Jan-01-2020		Mar-31-2020		5,770,500
Qtr 3	Apr-01-2020		Jun-30-2020		5,770,500
Qtr 4	Jul-01-2020		Sep-30-2020		5,770,500
TOTAL				\$	23,082,000

CWSRF LOAN PROGRAM QUARTERLY ASAP SCHEDULE
(Quarters are based on Federal Fiscal Year)

FFY 2019				AMOUNT	
Qtr 1	Oct-01-2018	THRU	Dec-31-2018	\$	-
Qtr 2	Jan-01-2019	THRU	Mar-31-2019		-
Qtr 3	Apr-01-2019	THRU	Jun-30-2019		-
Qtr 4	Jul-01-2019	THRU	Sep-30-2019		11,000,000
FFY 2020					
Qtr 1	Oct-01-2019	THRU	Dec-31-2019		-
Qtr 2	Jan-01-2020	THRU	Mar-31-2020		12,082,000
Qtr 3	Apr-01-2020	THRU	Jun-30-2020		-
Qtr 4	Jul-01-2020	THRU	Sep-30-2020		-
TOTAL				\$	23,082,000

CWSRF LOAN PROGRAM QUARTERLY DISBURSEMENT SCHEDULE
(Quarters are based on Federal Fiscal Year)

	FFY 2019			AMOUNT
Qtr 1	Oct-01-2018	THRU	Dec-31-2018	\$ -
Qtr 2	Jan-01-2019	THRU	Mar-31-2019	-
Qtr 3	Apr-01-2019	THRU	Jun-30-2019	-
Qtr 4	Jul-01-2019	THRU	Sep-30-2019	11,000,000
FFY 2020				
Qtr 1	Oct-01-2019	THRU	Dec-31-2019	-
Qtr 2	Jan-01-2020	THRU	Mar-31-2020	10,000,000
Qtr 3	Apr-01-2020	THRU	Jun-30-2020	2,082,000
Qtr 4	Jul-01-2020	THRU	Sep-30-2020	-
TOTAL				\$ 23,082,000